

AMENDMENTS TO THE SPECIFICATION

Please delete the original Sequence Listing.

Please amend the paragraph beginning on page 6, line 8 as follows:

Fig. 1 shows the results of capillary electrophoresis obtained from the reaction mixture 1 prepared by reacting a *Rosaceae*-plant-origin defructosylation enzyme with fructosyl dipeptide (f-VH; SEQ ID NO: 1).

Please amend the paragraph beginning on page 6, line 12 as follows:

Fig. 2 shows the results of capillary electrophoresis obtained from the control solution 1 prepared by reacting purified water with fructosyl dipeptide (f-VH; SEQ ID NO: 1).

Please amend the paragraph beginning on page 6, line 15 as follows:

Fig. 3 shows the results of capillary electrophoresis obtained from the reaction mixture 2 prepared by reacting a *Rosaceae*-plant-origin defructosylation enzyme with fructosyl tripeptide (f-VHL; SEQ ID NO: 2).

Please amend the paragraph beginning on page 6, line 19 as follows:

Fig. 4 shows the results of capillary electrophoresis obtained from the control solution 2 prepared by reacting purified water with fructosyl tripeptide (f-VHL; SEQ ID NO: 2).

Please amend the paragraph beginning on page 6, line 22 as follows:

Fig. 5 shows the results of capillary electrophoresis obtained from the reaction mixture 3 prepared by reacting a *Rosaceae*-plant-origin defructosylation enzyme with fructosyl tetrapeptide (f-VHLT; SEQ ID NO: 3).

Please amend the paragraph beginning on page 6, line 26 as follows:

Fig. 6 shows the results of capillary electrophoresis obtained from the control solution 3 prepared by reacting purified water with fructosyl tetrapeptide (f-VHLT; SEQ ID NO: 3).

Please amend the paragraph beginning on page 7, line 3 as follows:

Fig. 7 shows the results of capillary electrophoresis obtained from the reaction mixture 4 prepared by reacting a *Rosaceae*-plant-origin defructosylation enzyme with fructosyl pentapeptide (f-VHLTP; SEQ ID NO: 4).

Please amend the paragraph beginning on page 7, line 7 as follows:

Fig. 8 shows the results of capillary electrophoresis obtained from the control solution 4 prepared by reacting purified water with fructosyl pentapeptide (f-VHLTP; SEQ ID NO: 4).

Please amend the paragraph beginning on page 7, line 10 as follows:

Fig. 9 shows the results of capillary electrophoresis obtained from the reaction mixture 5 prepared by reacting a *Rosaceae*-plant-origin defructosylation enzyme with fructosyl hexapeptide (f-VHLTPE; SEQ ID NO: 5).

Please amend the paragraph beginning on page 7, line 14 as follows:

Fig. 10 shows the results of capillary electrophoresis obtained from the control solution 5 prepared by reacting purified water with fructosyl hexapeptide (f-VHLTPE; SEQ ID NO: 5).

Please amend the paragraph beginning on page 7, line 17 as follows:

Fig. 11 shows the results of capillary electrophoresis obtained from the reaction mixture 6 prepared by reacting a *Vitaceae*-plant-origin defructosylation enzyme with fructosyl dipeptide (f-VH; SEQ ID NO: 1).

Please amend the paragraph beginning on page 7, line 21 as follows:

Fig. 12 shows the results of capillary electrophoresis obtained from the control solution 6 prepared by reacting purified water with fructosyl dipeptide (f-VH; SEQ ID NO: 1).

Please amend the paragraph beginning on page 7, line 24 as follows:

Fig. 13 shows the results of capillary electrophoresis obtained from the reaction mixture 7 prepared by reacting an *Umbelliferae*-plant-origin defructosylation enzyme with fructosyl dipeptide (f-VH; SEQ ID NO: 1).

Please amend the paragraph beginning on page 17, line 11 as follows:

Fig. 1 shows the results obtained from the reaction mixture 1, and Fig. 2 shows the results obtained from the control solution 1. Whereas Fig. 2 reveals a peak attributed to f-VH (area: 13 mABU×sec; SEQ ID NO: 1) and a peak attributed to VH (area: 34 mABU×sec; SEQ ID NO: 1), Fig. 1 reveals that the peak attributed to f-VH is lowered (area: 4

mABU×sec; SEQ ID NO: 1) and the peak attributed to VH is increased (area: 38 mABU×sec).

Please amend the paragraph beginning on page 17, line 18 as follows:

Fig. 3 shows the results obtained from the reaction mixture 2, and Fig. 4 shows the results obtained from the control solution 2. Whereas Fig. 4 reveals a peak attributed to f-VHL (area: 32 mABU×sec; SEQ ID NO: 2) and a peak attributed to VHL (area: 22 mABU×sec; SEQ ID NO: 2), Fig. 3 reveals that the peak attributed to f-VHL is lowered (area: 7 mABU×sec; SEQ ID NO: 2) and the peak attributed to VHL is increased (area: 34 mABU×sec; SEQ ID NO: 2).

Please amend the paragraph beginning on page 17, line 25 as follows:

Fig. 5 shows the results obtained from the reaction mixture 3, and Fig. 6 shows the results obtained from the control solution 3. Whereas Fig. 6 reveals a peak attributed to f-VHLT (area: 38 mABU×sec; SEQ ID NO: 3) and a peak attributed to VHLT (area: 20 mABU×sec; SEQ ID NO: 3), Fig. 5 reveals that the peak attributed to f-VHLT is lowered (area: 5 mABU×sec; SEQ ID NO: 3) and the peak attributed to VHLT is increased (area: 32 mABU×sec; SEQ ID NO: 3).

Please amend the paragraph beginning on page 18, line 5 as follows:

Fig. 7 shows the results obtained from the reaction mixture 4, and Fig. 8 shows the results obtained from the control solution 4. Whereas Fig. 8 reveals a peak attributed to f-VHLTP (area: 64 mABU×sec; SEQ ID NO: 4) and a peak attributed to VHLTP (area: 23

mABU×sec; SEQ ID NO: 4), Fig. 7 reveals that the peak attributed to f-VHLTP is lowered (area: 8 mABU×sec; SEQ ID NO: 4) and the peak attributed to VHLTP is increased (area: 57 mABU×sec; SEQ ID NO: 4).

Please amend the paragraph beginning on page 18, line 12 as follows:

Fig. 9 shows the results obtained from the reaction mixture 5, and Fig. 10 shows the results obtained from the control solution 5. Whereas Fig. 10 reveals a peak attributed to f-VHLTPE (area: 54 mABU×sec; SEQ ID NO: 5) and a peak attributed to VHLTPE (area: 21 mABU×sec; SEQ ID NO: 5), Fig. 9 reveals that the peak attributed to f-VHLTPE is lowered (area: 9 mABU×sec; SEQ ID NO: 5) and the peak attributed to VHLTPE is increased (area: 48 mABU×sec; SEQ ID NO: 5).

Please amend the paragraph beginning on page 18, line 27 as follows:

The crude enzyme solution prepared in Example 2 was also tested under conditions similar to those of Example 4. However, as the N-terminal-valine fructosylated peptide, f-VH (SEQ ID NO: 1) containing no VH (SEQ ID NO: 1) was employed, and reaction was performed for 16 hours at 37°C (reaction mixture 6). A control test was performed in a manner similar to that described in Example 4 (control solution 6).

Please amend the paragraph beginning on page 19, line 7 as follows:

Fig. 11 shows the results obtained from the reaction mixture 6, and Fig. 12 shows the results obtained from the control solution 6. Whereas Fig. 12 reveals only a peak attributed to f-VH (area: 42 mABU×sec; SEQ ID NO: 1), Fig. 11 reveals a lowered peak attributed to f-

VH (area: 36 mABU×sec; SEQ ID NO: 1) and a newly generated peak attributed to the reaction product (area: 4 mABU×sec). In order to identify the new peak, a small amount of VH (SEQ ID NO: 1) was added to the reaction mixture, followed by capillary electrophoresis. The peak attributed to the reaction product coincided with that of VH (SEQ ID NO: 1), thus confirming the reaction product to be VH (SEQ ID NO: 1).

Please amend the paragraph beginning on page 20, line 1 as follows:

Fig. 13 shows the results obtained from the reaction mixture 7. For the results from the control solution, Fig. 12 is again referred to. Whereas Fig. 12 reveals only a peak attributed to f-VH (area: 42 mABU×sec; SEQ ID NO: 1), Fig. 13 reveals a lowered peak attributed to f-VH (area: 16 mABU×sec; SEQ ID NO: 1) and a newly generated peak attributed to the reaction product (area: 16 mABU×sec). In order to identify the new peak, a small amount of VH (SEQ ID NO: 1) was added to the reaction mixture, followed by capillary electrophoresis. The peak attributed to the reaction product coincided with that of VH (SEQ ID NO: 1), thus confirming the reaction product to be VH (SEQ ID NO: 1).

Page 23 (Abstract), after the last line, beginning on a new page, please insert the attached substitute Sequence Listing.